

AMENDMENTS TO THE CLAIMS:

Please amend the claims as provided below:

1. (Currently Amended) A method ~~Method~~ of marking by sublimation and application of decorated film or paper on extruded bars (3) with polygonal cross-sections, with no limit on length, the method comprising the step of:

applying decorated film or paper on extruded bars by sublimation or decorative veneering through a matrix (1) and a die (2), which are heated and supported by a vibrating base plate (5).

2. (Currently Amended) ~~Device~~ A device for implementing the method according to claim 1, ~~characterised in that the~~ wherein an inside of the die (2) is in the shape of the object to be decorated (3).

3. (Currently Amended) ~~Device~~ The device according to claim 2, ~~characterised in that the~~ wherein the device is configured to cool the extruded bar (3) to be decorated, according to the nature of its material, ~~can be cooled or not~~ at the outlet of the device by spraying (6) the extruded bar with a cooling liquid, ~~such as water~~.

4. (Currently Amended) ~~Device~~ The device according to claim 2 ~~claims 2 and 3~~, ~~characterised in that the winding (7) of the~~ wherein the device is configured to carry out a winding of waste in the case of sublimation ~~is carried out automatically or not~~.

5. (Currently Amended) ~~Device~~ The device according to claim 2, ~~characterised in that~~ wherein the base plate (5) that supports the matrix (1) and the die (2) vibrates by means of ~~processes such as the~~ generation of ultrasounds or vibration by an electromagnet.

6. (Currently Amended) ~~Device~~ The device according to claim 2, ~~characterised in that~~ wherein the die (2) can be built into ~~the~~ a cone (1) that shapes ~~the~~ a decoration support (4).

7. (Currently Amended) ~~Device~~ The device according to claim 6, ~~wherein 2;~~
~~characterised in that wherein the device is configured to allow for the die (2) can to~~ replace
the cone (1) with a simple chamfer at its intake in case in which the shape of the product to be
marked (3) is simple.

8. (Currently Amended) ~~Device~~ The device according to claim 6, ~~wherein 2;~~
~~characterised in that the intermediate sections of the cone (1) are obtained through the~~
principle of morphing. ~~The intake (8) has a circular intake; the cross section of the outlet (9)~~
~~is in the shape of the product to be marked (3).~~

9. (Currently Amended) ~~Device~~ The device according to claim 6, ~~wherein 2;~~
~~characterised in that the cone (1) can act as a die (2) by virtue of its outlet shape, thus doing~~
away with the need for mounting a die (2).

10. (Currently Amended) ~~Device~~ The device according to claim 2, ~~characterised in that~~
~~the wherein the device is configured to,~~ in the case of the product to be marked (3)
~~comprising comprises~~ small irregularities in its shape, allow O-rings ~~can to~~ be mounted in a
series of gorges inside the die (2), which ensure that correct contact is maintained between
the decoration support (4) and the product to be marked (3).